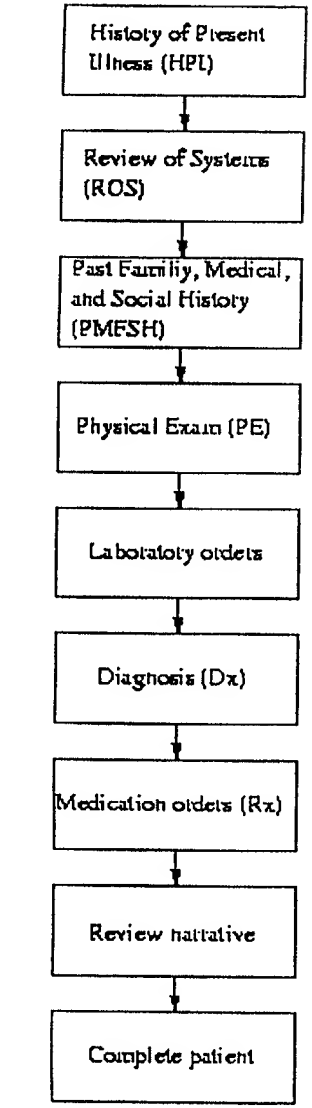
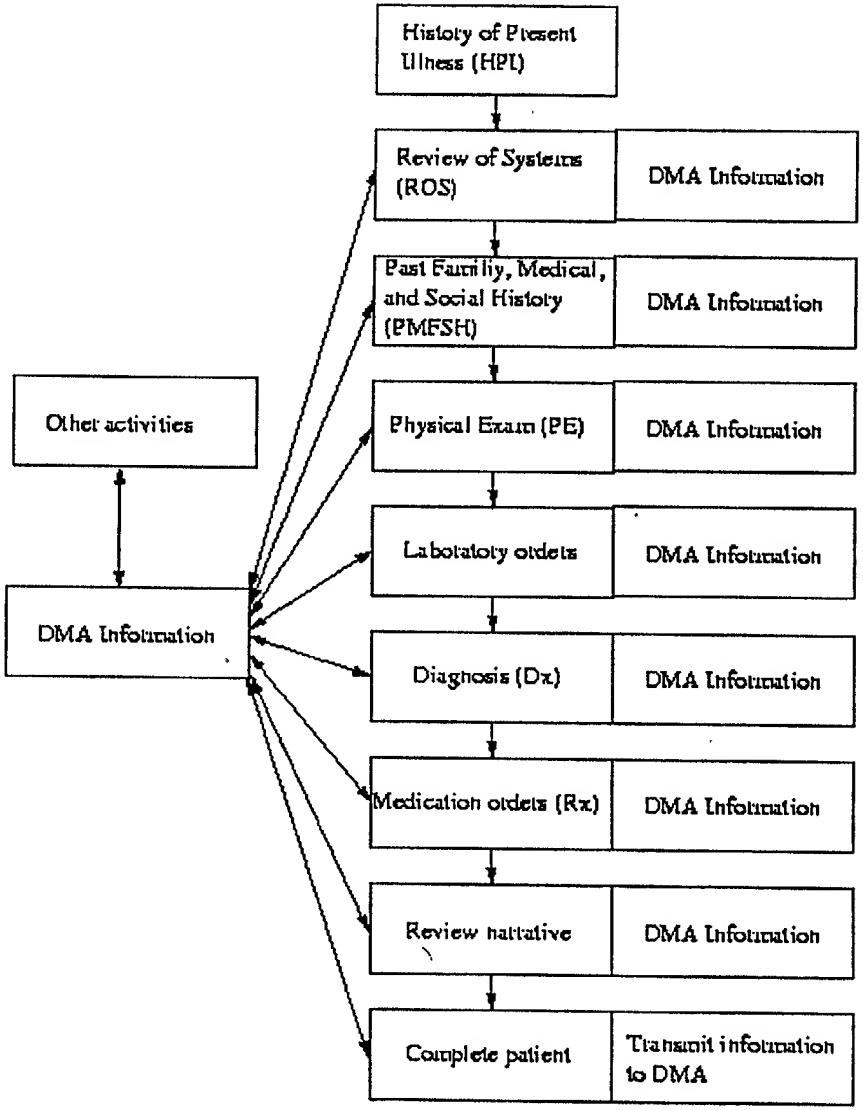
PATENT SEARCHED




Traditional Workflow

FIG. 1 (PRIOR ART)




Extended Workflow

FIG. 2

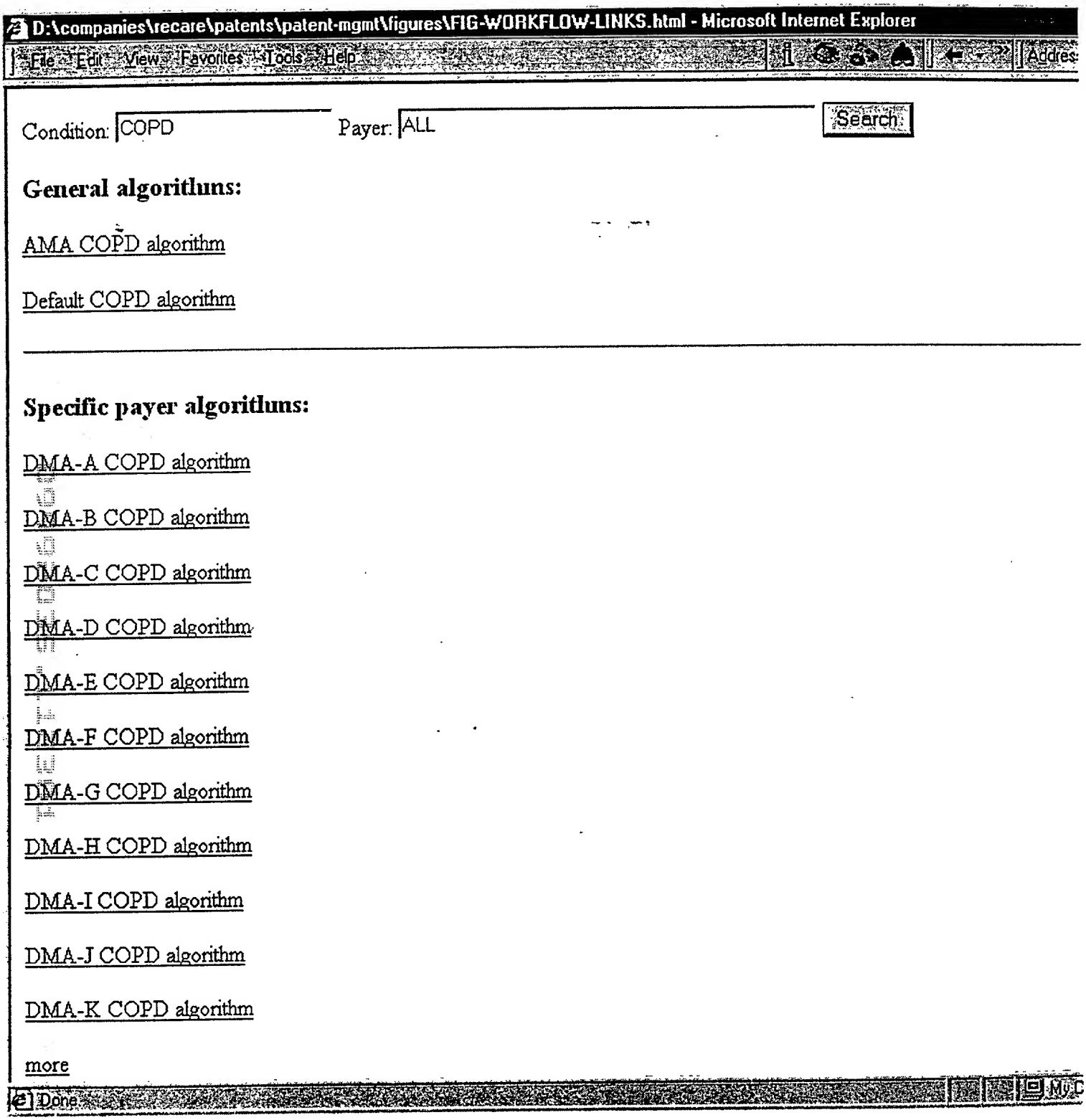

D:\companies\recare\patents\patent-mgmt\figures\FIG-WORKFLOW-LINKS.html - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address
Condition: COPD
Payer: ALL
Search
General algorithms:
AMA COPD algorithm
Default COPD algorithm
Specific payer algorithms:
DMA-A COPD algorithm
DMA-B COPD algorithm
DMA-C COPD algorithm
DMA-D COPD algorithm
DMA-E COPD algorithm
DMA-F COPD algorithm
DMA-G COPD algorithm
DMA-H COPD algorithm
DMA-I COPD algorithm
DMA-J COPD algorithm
DMA-K COPD algorithm
more
Done

FIG. 3

# Treatment algorithm for acute coronary syndrom

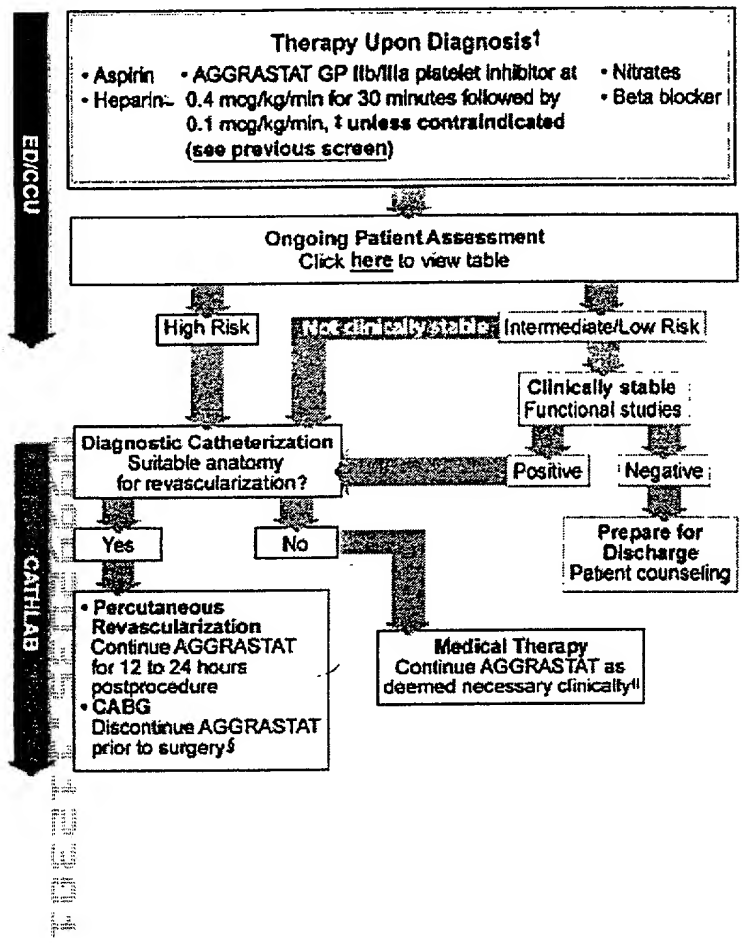



FIG. 4

BlueCross BlueShield

# Best practice treatment advisory

Recommended step therapy for ***inner ear infection***

step 1. arythromicin 2tab 250mg bid qty14
step 2. keflex 1cap 500mg qid qty 24

**Drug class: antibiotics**

Arethromyicin

Helthinex

Jardiflex

Keflex

Mangilex

Nominex

Penicillin

Select a medication to prescribe.

FIG. 5

## Standard questions/findings: Cardiovascular exam

Rhythm: O Regular O Irregular

Rate: O Normal O fast O slow

Murmur: O Present O Not Present

Grade: O I/VI O II/VI O III/VI O IV/VI O V/VI O VI/VI

Timing: O early systolic O mid systolic O late systolic O systolic ejection O holosystolic
O diastolic O early diastolic O mid diastolic O late diastolic O holodiastolic
O continuous O machinery-type

Radiation: O Neck O Axilla O Base of heart O Apex of heart O Back O Diffuse
O Abdomen

S2: O Present O Not present

S3: O Present O Not present

S4: O Present O Not present

Rub: O Present O Not present

---

## Disease management questions/findings: Cardiovascular exam

*Dr. Lipscher, the patient's disease management company requests that you please answer these important disease management questions. Thank you.*

Mediastinal crunch: O Present O Not present

FIG. 6

## Drug class: antibiotics

**Arethromyicin** *Best practice step 1 for inner ear infection*

Helthinex

Jardiflex

Keflex

Mangilex

Nominex

Penicillin

Select a medication to prescribe.

FIG. 7

# Transmission of patient information

**Patient: John Doe**

**Physician: Randy Lipscher**

**Recipient: Bleu Crux (patient's HMP/Disease management company)**

Results of cardivascular examination:

Normal rate and rhythm
No rub, no grind, no gallop
No S3, no S2
Mediastinal crunch present

Send Cancel

FIG. 8

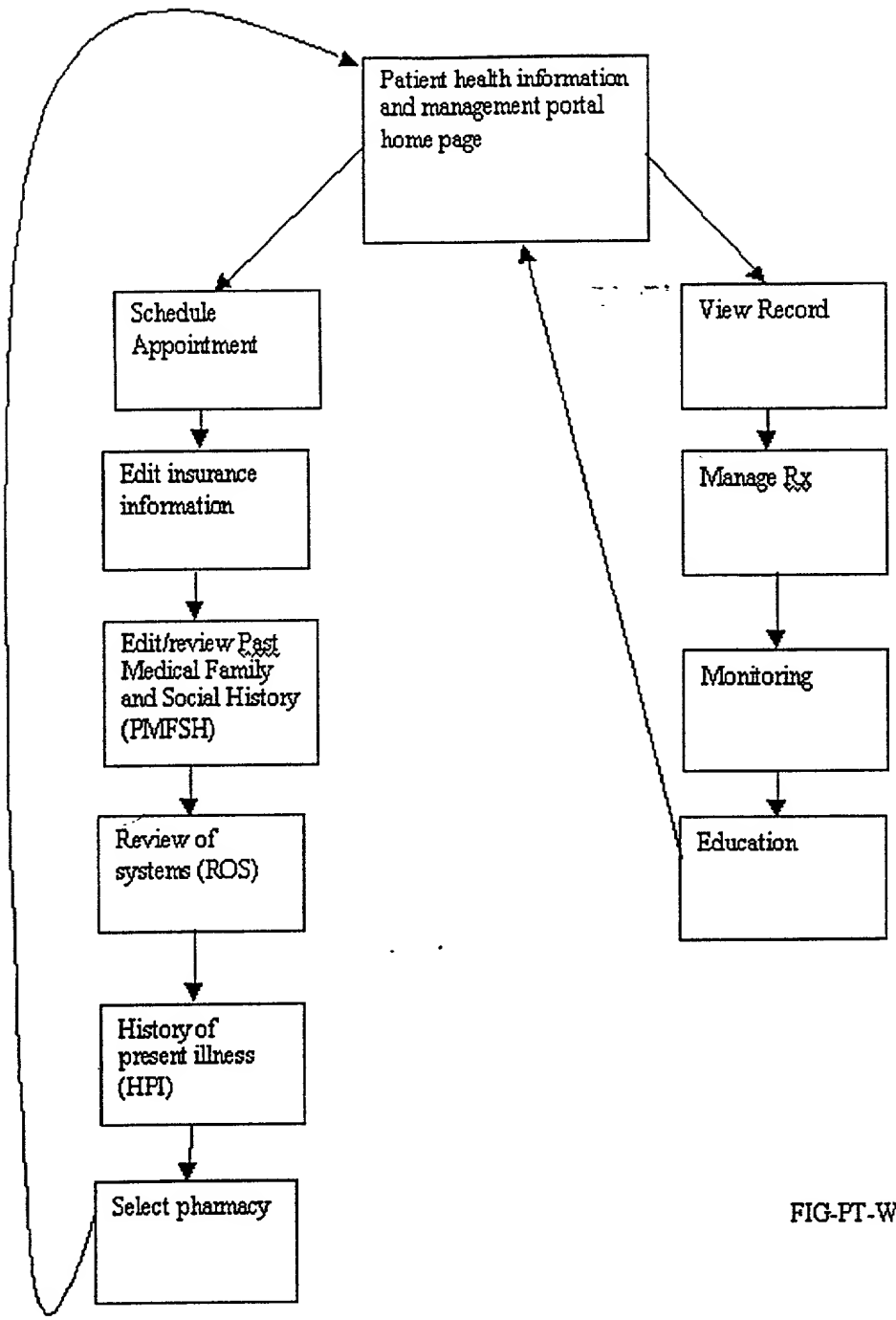



FIG-PT-WORKFLOW

FIG. 9

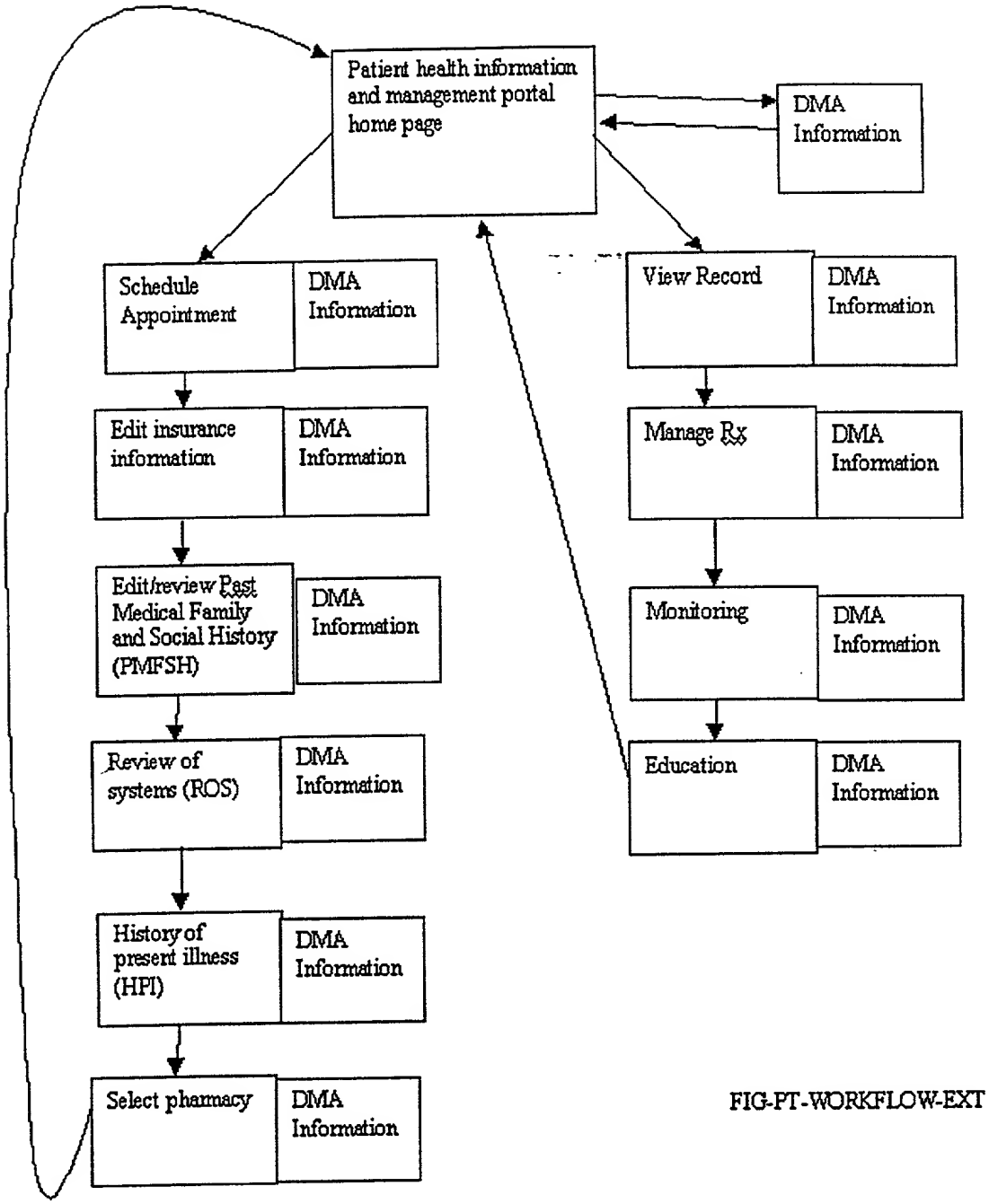



FIG-PT-WORKFLOW-EXT

FIG. 10

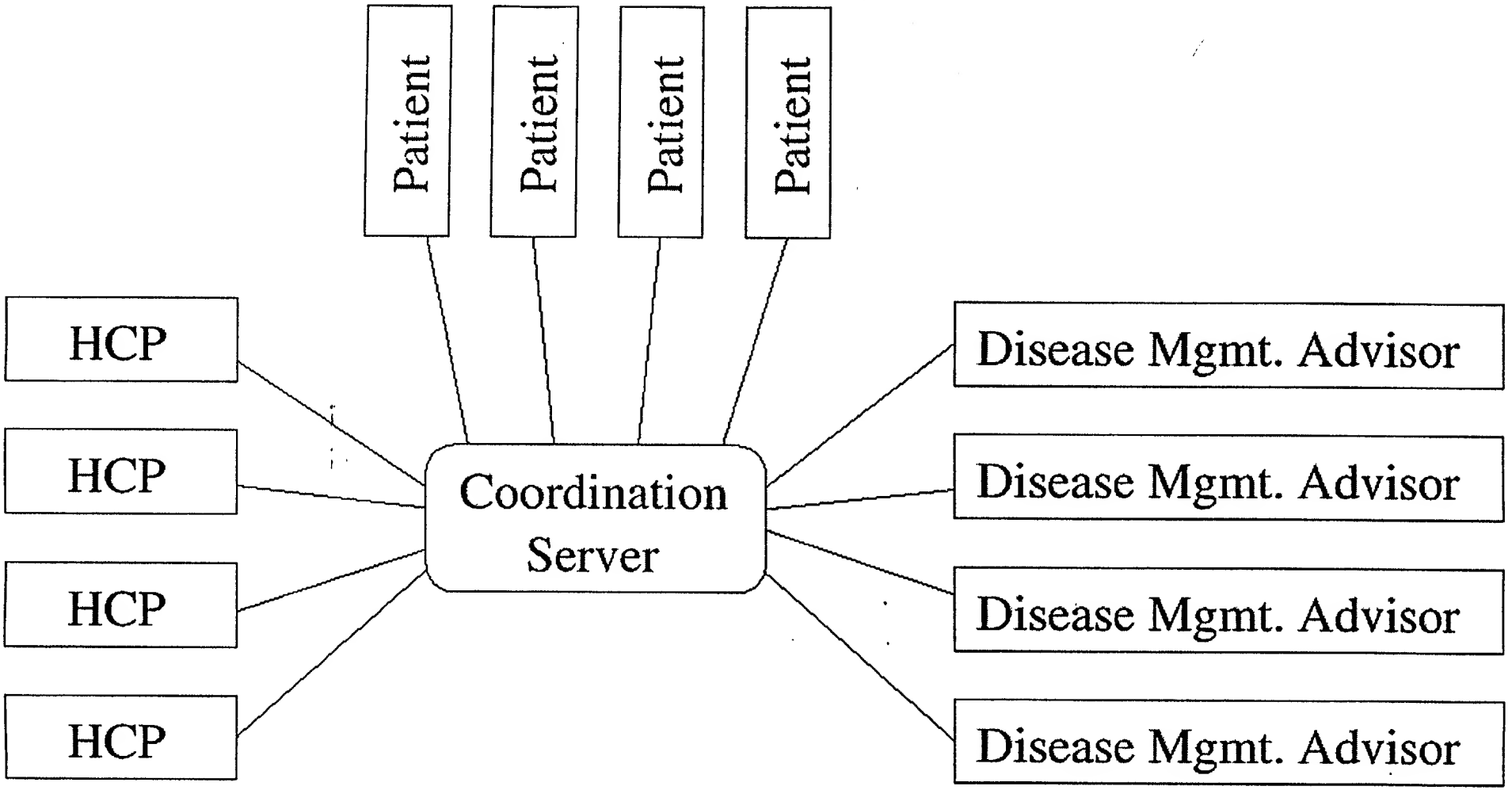

Patient
Patient
Patient
Patient
HCP
HCP
HCP
HCP
Coordination Server
Disease Mgmt. Advisor
Disease Mgmt. Advisor
Disease Mgmt. Advisor
Disease Mgmt. Advisor

FIG. 11

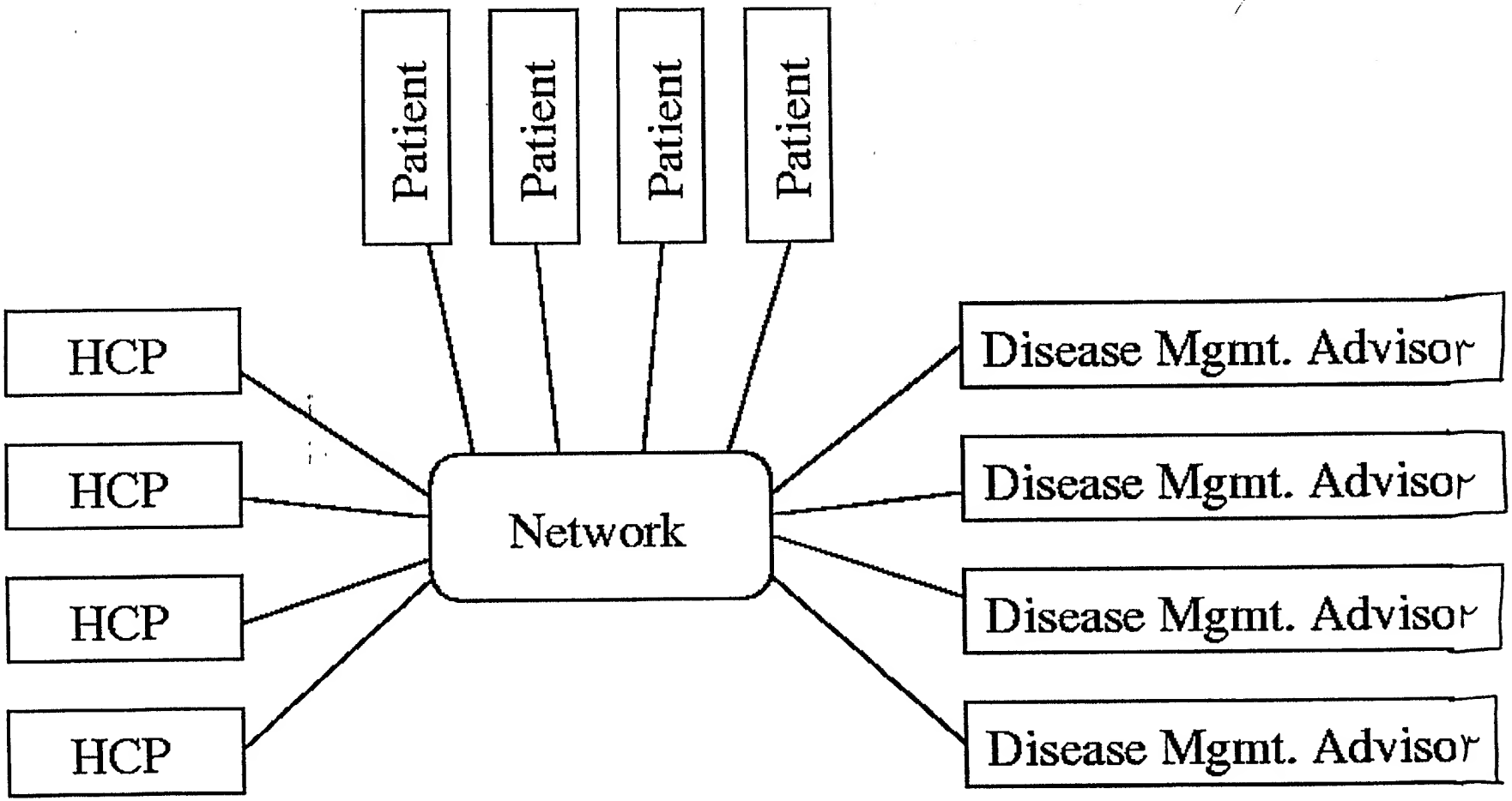

Patient
Patient
Patient
Patient
HCP
HCP
HCP
HCP
Network
Disease Mgmt. Advisor
Disease Mgmt. Advisor
Disease Mgmt. Advisor
Disease Mgmt. Advisor

FIG. 12a

Patent Searched

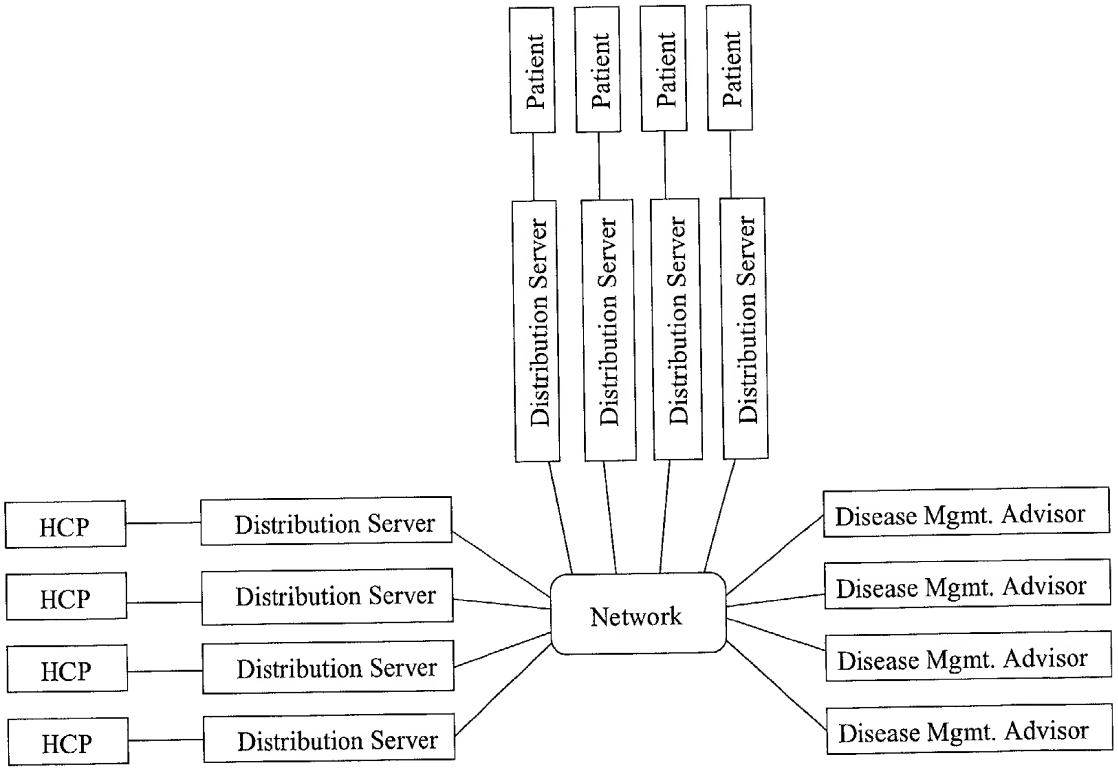



Fig. 12b

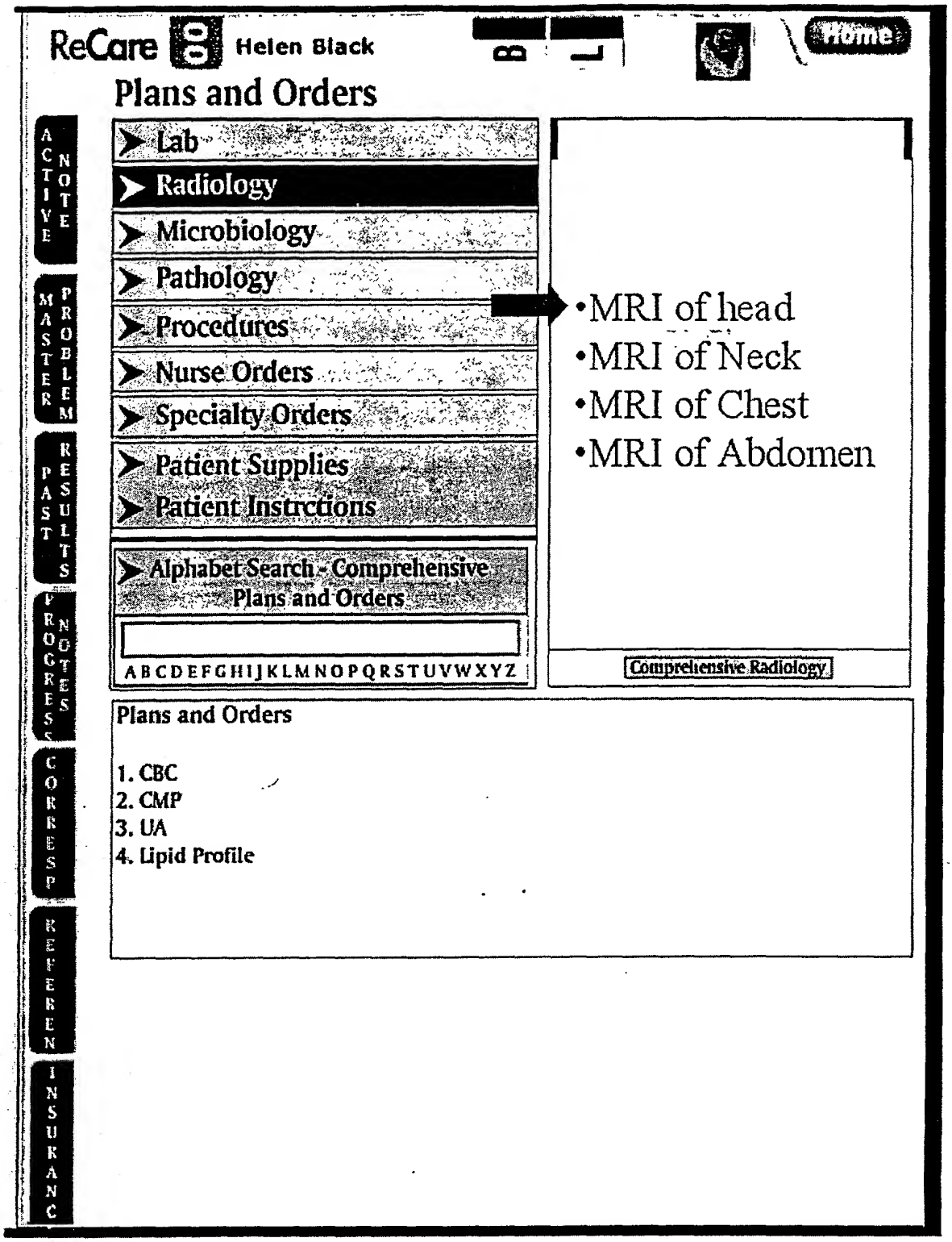

ReCare
Helen Black
Home
Plans and Orders
ACTIVE NOTE
MASTER PROBLEM
PAST RESULTS
PROGRESS NOTES
CORRESP
REFEREN
INSURANC
Lab
Radiology
Microbiology
Pathology
Procedures
Nurse Orders
Specialty Orders
Patient Supplies
Patient Instructions
Alphabet Search - Comprehensive Plans and Orders
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
•MRI of head
•MRI of Neck
•MRI of Chest
•MRI of Abdomen
Comprehensive Radiology
Plans and Orders
1. CBC
2. CMP
3. UA
4. Lipid Profile

FIG. 13

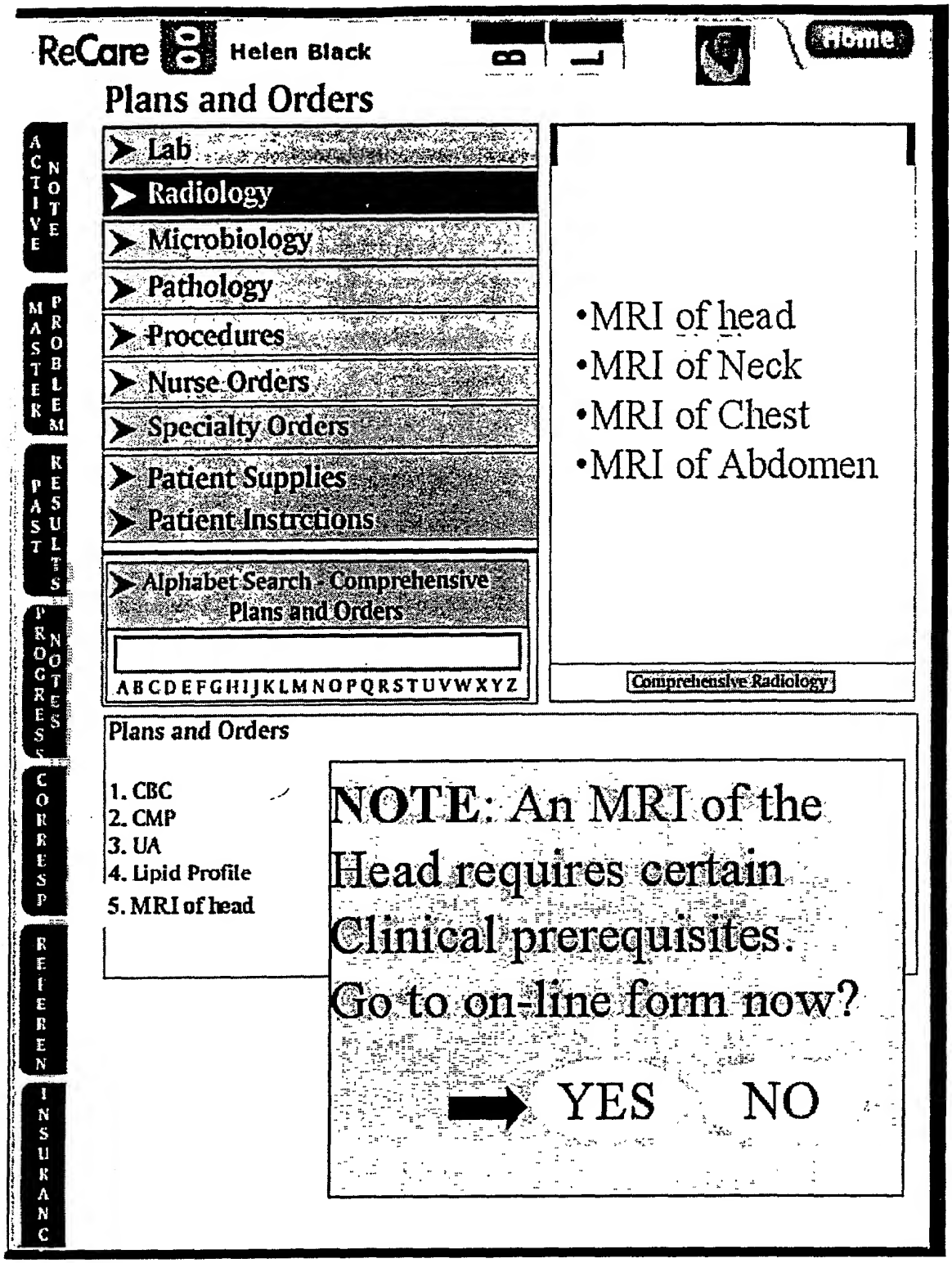

ReCare
Helen Black
Home
Plans and Orders
ACTIVE NOTE
MASTER PROBLEM
PAST RESULTS
PROGRESS NOTES
CORRESP
REFEREN
INSURANC
Lab
Radiology
Microbiology
Pathology
Procedures
Nurse Orders
Specialty Orders
Patient Supplies
Patient Instructions
Alphabet Search - Comprehensive Plans and Orders
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
•MRI of head
•MRI of Neck
•MRI of Chest
•MRI of Abdomen
Comprehensive Radiology
Plans and Orders
1. CBC
2. CMP
3. UA
4. Lipid Profile
5. MRI of head
NOTE: An MRI of the Head requires certain Clinical prerequisites. Go to on-line form now?
YES
NO

FIG. 14

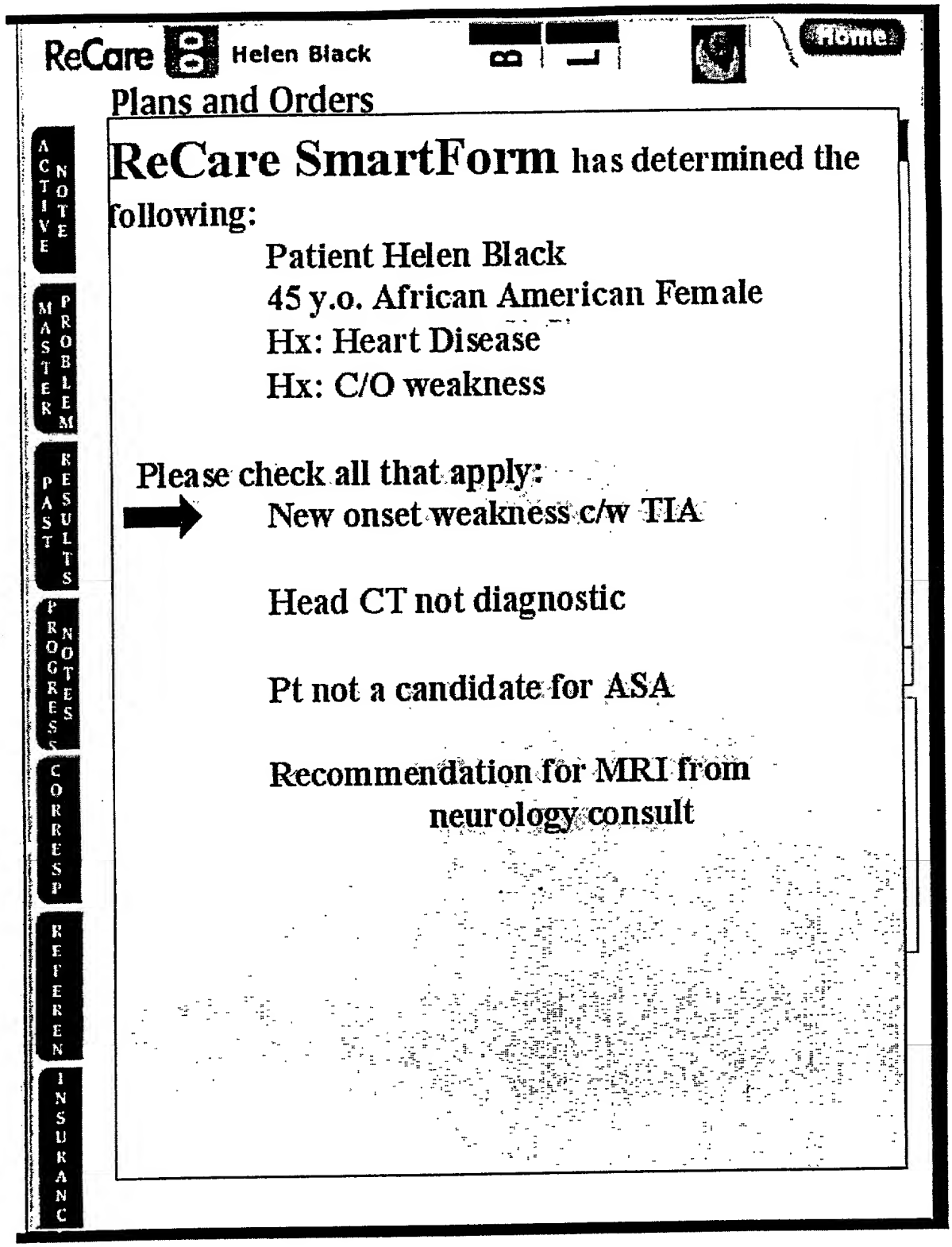

ReCare
Helen Black
Home
Plans and Orders
ACTIVE NOTE
MASTER PROBLEM
PAST RESULTS
PROGRESS NOTES
CORRESP
REFEREN
INSURANC
ReCare SmartForm has determined the following:
Patient Helen Black
45 y.o. African American Female
Hx: Heart Disease
Hx: C/O weakness
Please check all that apply:
New onset weakness c/w TIA
Head CT not diagnostic
Pt not a candidate for ASA
Recommendation for MRI from neurology consult

FIG. 15

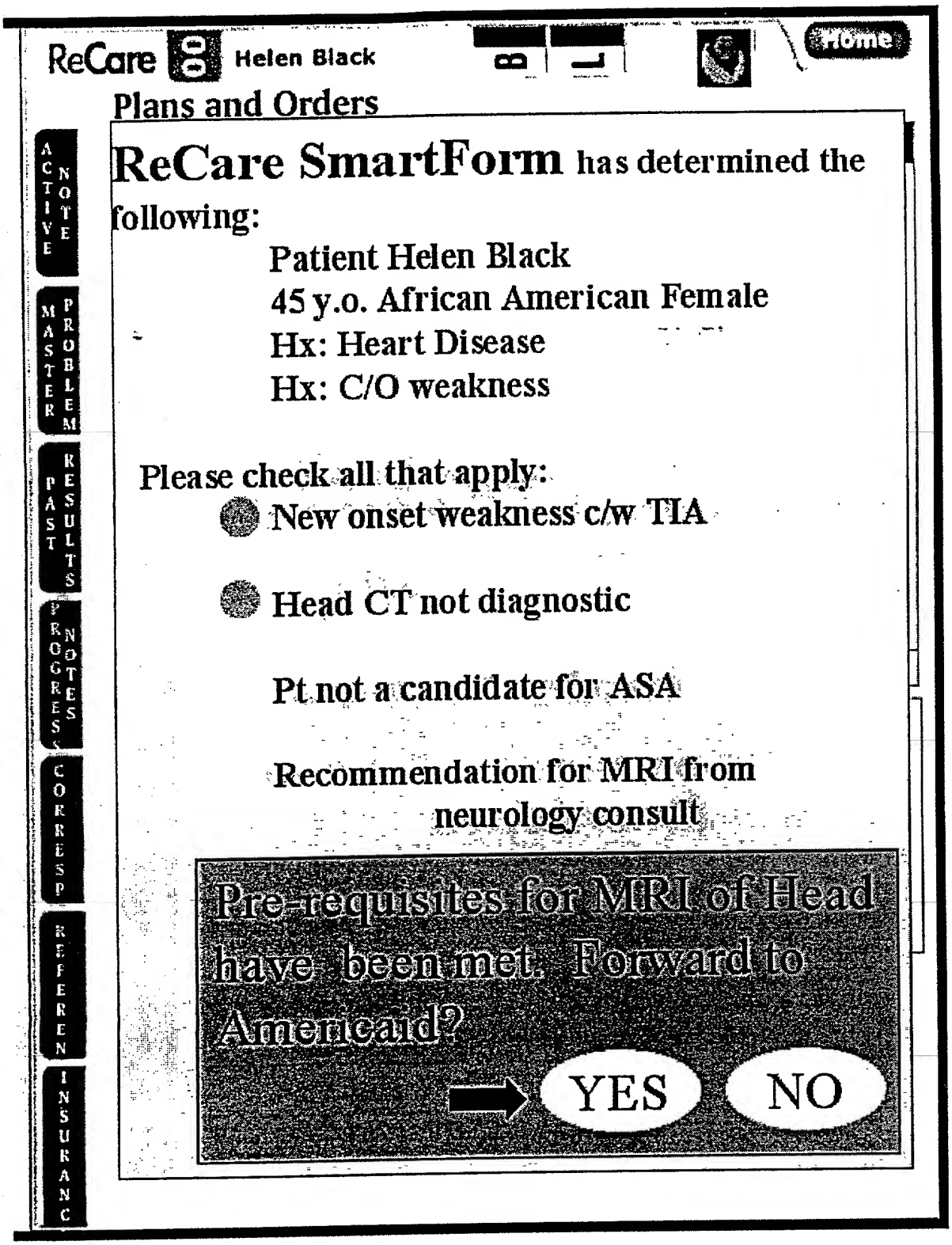

ReCare
Helen Black
Home
Plans and Orders
ACTIVE NOTE
MASTER PROBLEM
PAST RESULTS
PROGRES NOTES
CORRESP
REFEREN
INSURANC
ReCare SmartForm has determined the following:
Patient Helen Black
45 y.o. African American Female
Hx: Heart Disease
Hx: C/O weakness
Please check all that apply:
New onset weakness c/w TIA
Head CT not diagnostic
Pt not a candidate for ASA
Recommendation for MRI from neurology consult
Pre-requisites for MRI of Head have been met. Forward to Americaid?
YES
NO

FIG. 16

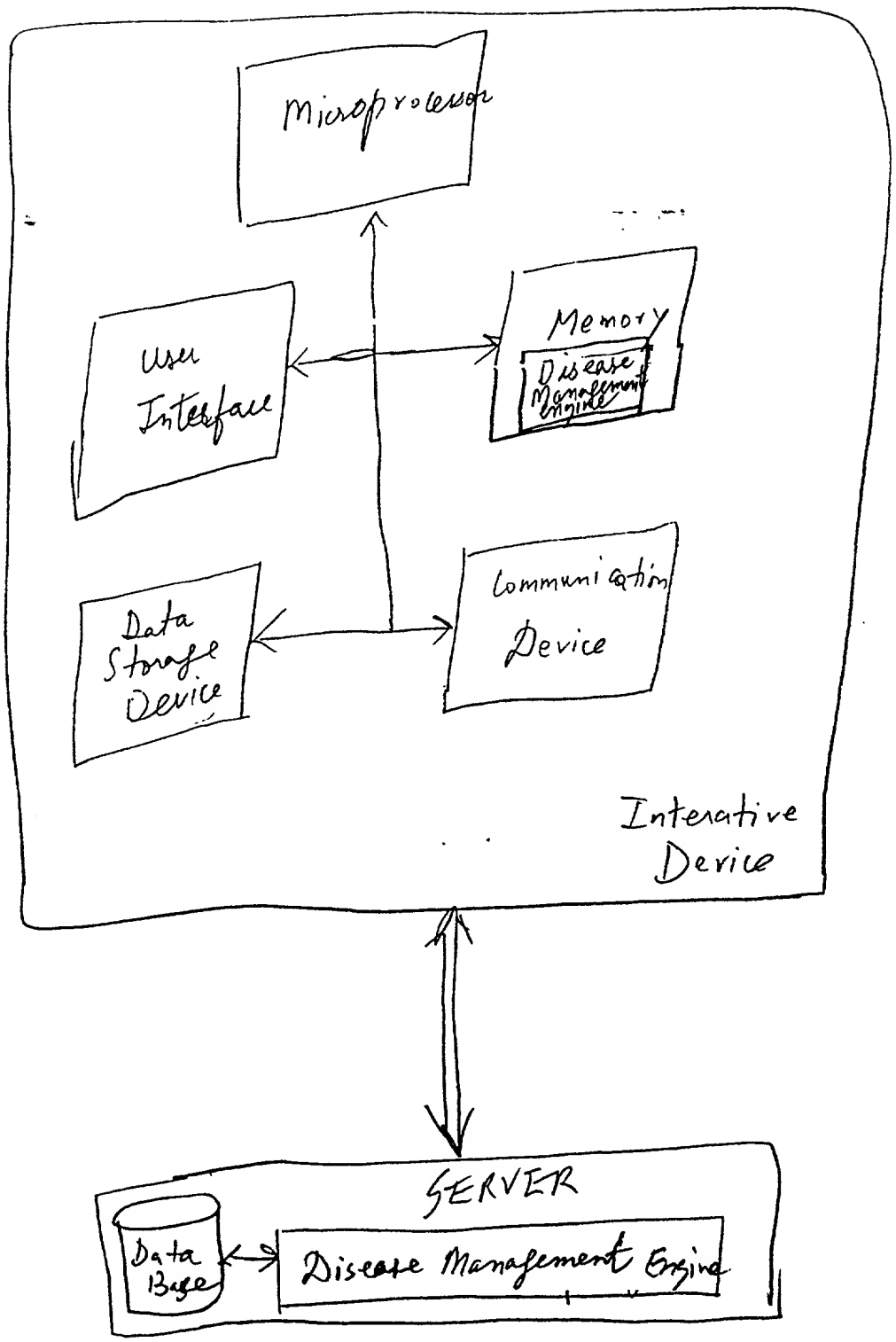

Microprocessor
User Interface
Memory
Disease Management Engine
Data Storage Device
Communication Device
Interative Device
SERVER
Data Base
Disease Management Engine

FIG. 17

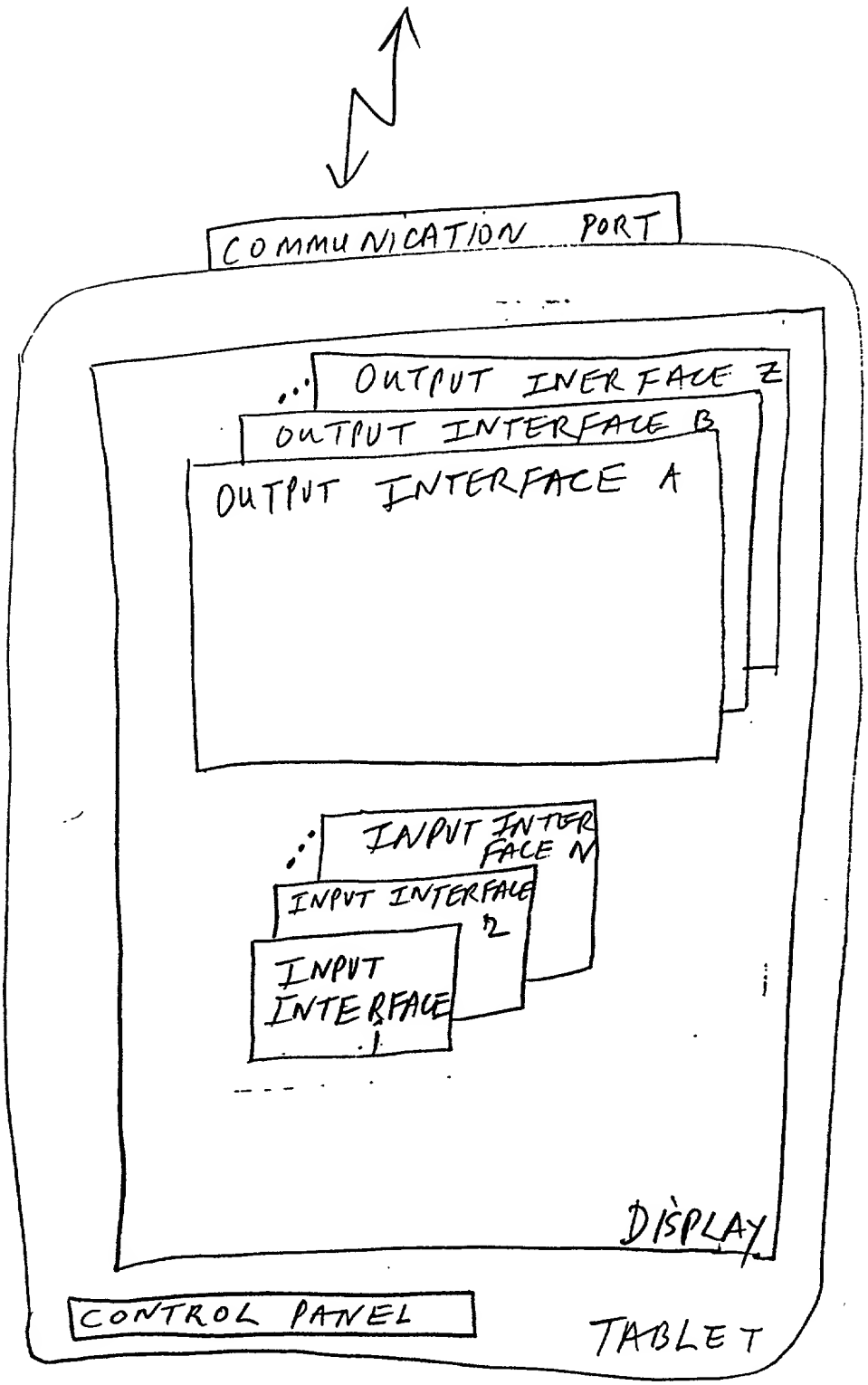

COMMUNICATION PORT
OUTPUT INTERFACE Z
OUTPUT INTERFACE B
OUTPUT INTERFACE A
INPUT INTERFACE N
INPUT INTERFACE 2
INPUT INTERFACE 1
DISPLAY
CONTROL PANEL
TABLET

FIG. 18

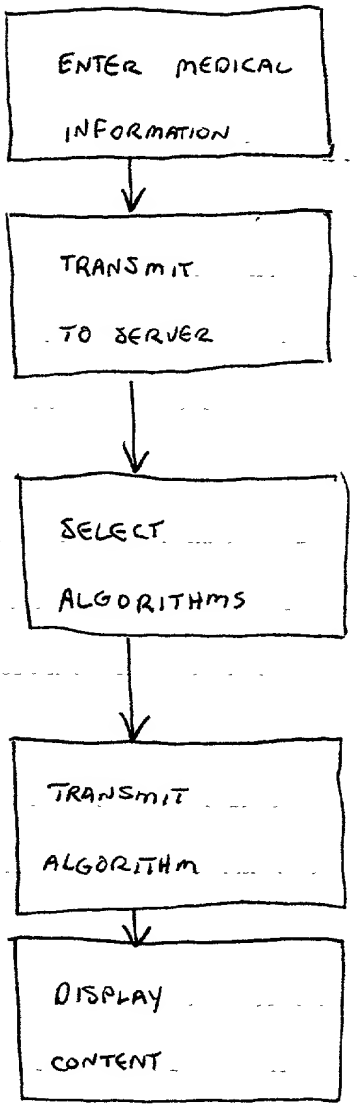

ENTER MEDICAL INFORMATION
TRANSMIT TO SERVER
SELECT ALGORITHMS
TRANSMIT ALGORITHM
DISPLAY CONTENT

FIG. 19